	Application No.	Applicant(s)	
	10/607 570		
Notice of Allowability	10/697,579 Examiner	SCHRIEVER ET AL. Art Unit	
,	Wilson Lee	2821	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RICO of the Office or upon petition by the applicant. See 37 CFR 1.313	ars on the cover sheet with the co OR REMAINS) CLOSED in this apportant of the communication or other appropriate communication GHTS. This application is subject to	orrespondence address olication. If not included will be mailed in due course. The	
1. This communication is responsive to <u>10/30/03</u> .			
2. The allowed claim(s) is/are <u>1-30</u> .			
3. \boxtimes The drawings filed on <u>30 October 2003</u> are accepted by the	Examiner.		
 4.	been received. been received in Application No uments have been received in this in of this communication to file a reply in ENT of this application. Itted. Note the attached EXAMINER's reason(s) why the oath or declarate be submitted. On's Patent Drawing Review (PTO- Amendment / Comment or in the One of the process of the proc	national stage application from the complying with the requirements of SAMENDMENT or NOTICE Office is deficient. 948) attached office action of the sack of dialy.	s
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 10/30/03, 8/5/04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. Interview Summary Paper No./Mail Dat 3), 7. Examiner's Amendn	ė ´	_

Allowable subject matter

Claims 1-30 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art neither discloses nor suggests the following limitations, in combination with the remaining elements required in claim 1:

A pressure measuring device and a control for maintaining a suitable operating pressure for the generation of the plasma extreme ultraviolet (EUV) radiation, and an energy monitor unit for detecting the pulse energy of the emitted radiation, the energy monitor unit having a feedback to the energy input for regulating a pulse-to-pulse stability of the energy emission of the plasma, a radiation diagnosis unit for analyzing the actual radiation characteristic of the radiation emitted from the plasma and generating result data of the diagnosis for influencing the excitation conditions for the plasma, and a main control unit for controlling a defined quality of the coupled out light bundle as radiation pulses of application-specific pulse repetition rate, average energy emission and radiation intensity such as required by claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Nguyen et al. (6,610,169) discloses a processing system

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comprising a pressure sensor for sensing the air pressure inside the chamber but fails to disclose an energy monitor for detecting the pulse energy of the emitted radiation. Serwazi et al. (6,549,555) discloses a gas performance control system for gas discharge lasers comprising an ASE (amplified spontaneous emission) sensor but fails to disclose a pressure measuring device and a control for maintaining suitable pressure. Manos et al. (6,343,089) discloses a microwave driven ultraviolet light source comprising a means for monitoring the vacuum emission spectra but fails to disclose the means is able to monitoring the pulse energy data and a pressure monitoring means. Borneis et al. (6,243,405) discloses a staber excimer laser comprising a method for monitoring gas mixture status, pulse energy data and a control for adjusting the pressure and stabilizing the composition of the gas mixture but fails to disclose a pressure measuring device.

IDS

References cited in IDS dated on 8/5/04 have been crossed through because they are the references duplicated from IDS dated 10/30/03.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Wilson Lee whose telephone number is (571) 272-1824.

Papers related to Technology Center 2800 applications may be submitted to Technology Center 2800 by facsimile transmission. Any transmission not to be

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considered an official response must be clearly marked "DRAFT". The official fax number is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wilson Lee

Primary Examiner

U.S. Patent & Trademark Office

Alson Lee

12/13/04